Matched E and H Plane Tees
Series 400 / 410

Features
- Models from 1.14 to 140GHz
- E Plane Models - Series 400
- H Plane Models - Series 410

Model 25400

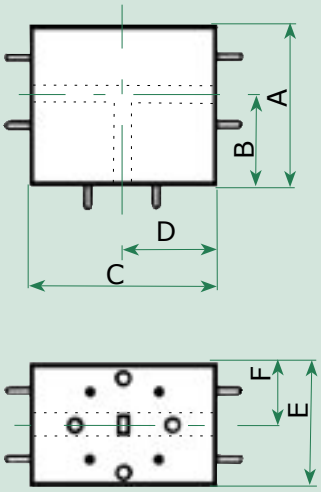
The 400 Series E plane and 410 Series H plane matched tees are constructed from precision machined sections accurately assembled to form the completed component.

H plane tees, when fed via the shunt arm, divide the signal equally between the through ports and in phase. When E plane tees are fed via the series arm the signal divides equally but 180˚ out of phase.

Model		Frequency range (GHz)	Waveguide			VSWR	Balance Between Co-linear Ports
E Plane	H Plane		WG	R	WR		
20400	20410	17.6 - 26.7	20	220	42	1.3 max (with 'through' waveguide ports correctly terminated)	±0.5 dB
22400	22410	26.4 - 40.1	22	320	28		
23400	23410	33.0 - 50.1	23	400	22		
24400	24410	39.3 - 59.7	24	500	19		
25400	25410	49.9 - 75.8	25	620	15		
26400	26410	60.5 - 92.0	26	740	12		
27400	27410	73.8 - 112	27	900	10		
28400	28410	92.3 - 140	28	1200	8		

Model	Dimensions (mm)					
	A	B	C	D	E	F
20400/410	28	17	34	17	22	11
22400/410	25	15	30	15	20	10
23400/410	37.5	22.5	45	22.5	30	15
24400/410	37.5	22.5	45	22.5	30	15
25400/410	25	15	30	15	20	10.4
26400/410	25	15	30	15	20	10.4
27400/410	25	15	30	15	20	10.4
28400/410	25	15	30	15	20	10.4

ORDERING INFORMATION
Model: Description
Example: Model 25410; Tee, Matched, H Plane



Series 400/410

For standard flange types and recommendations see pages 108 onwards